

A REQUEST FOR PROPOSAL FOR PERSONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2013-09
Jefferson / I-265 @ KY 3084 Interchange Improvements / 5-474.00

This document constitutes a Request for Proposals for Personal Service Contract from qualified individuals and organizations to furnish those services as described herein for the Commonwealth of Kentucky, Department of Highways.

I. PROJECT DESCRIPTION

County – Jefferson

Route – I-265 / KY 3084 (Old Henry Road) Interchange

Item No – 5-474.00

Project Description – Preliminary Engineering to reduce congestion and improve safety.

II. PROJECT INFORMATION

Project Manager – Paul Davis, P.E.

User Division – Highway Design

Approximate Fee – \$450,000 Preliminary Engineering

Project Funding – Federal Funds (Interstate Maintenance Funds)

Project Length – Approximately 1.8-miles (NB I-265 off ramp (ramp 3) MP 0.0 to MP 0.5, SB I-265 off ramp (ramp 7) MP 0.0 to MP 0.5, KY 3084 MP 0.7 to MP 1.5)

III. PURPOSE AND NEED

This project is needed for the following reasons:

- Poor traffic flow;
- Insufficient acceleration, deceleration, merging and weaving distances; and
- Safety problems, including a high number of incidents and crashes.

This ramp modification project will address the following issues:

- Increase capacity;
- Simplify the traffic flow on ramps;
- Increased volumes once the LSIORBP is opened to traffic;
- Improve geometrics; and
- Improve safety.

IV. DBE REQUIREMENT

The consultant team shall include a DBE Participation Plan with their response to announcement. An additional page will be allowed with the project approach in the Response to Announcement to convey this plan. A maximum of 4 points will be considered in the evaluation factors for the DBE Participation Plan.

V. SCOPE OF WORK

The purpose of the design contract is to provide location and preliminary engineering for the recommended alternates, briefly described as follows:

1. Alternative 1 NB I-265 off-ramp to KY 3084 (ramp 3) - the addition of a storage lane on the NB ramp and the addition of a right and left turning lane at the KY 3084 intersection. The existing traffic signal will be modified as needed. Alternative 1A adds a channelized right turn with storage lane along EB KY 3084;
2. Alternative 2 SB I-265 off-ramp to KY 3084 (ramp 7) - the addition of a storage lane on the SB ramp and the addition of a right and left turning lane at the KY 3084 intersection with a new traffic signal at the KY 3084 intersection. Alternative 2A adds a channelized right turn with storage lane along WB KY 3084;
3. Alternative 3 WB KY 3084 – the addition of storage capacity for the left turning lane on WB KY 3084 at the Nelson Miller Parkway intersection (existing traffic signal); and
4. Alternative 4 EB KY 3084 – the addition of a left turning lane on EB KY 3084 and a new traffic signal for the turning movement to NB Terra Crossing Boulevard.

These services will include the preparation of an Interchange Modification Report (IMR) per FHWA guidelines/requirements

The Department will prepare the appropriate environmental document for approval and complete the NEPA work. The environmental document at this time is expected to be CE Level 1. This project may be advanced to phase II design with contract modification.

VI. SPECIAL INSTRUCTIONS

Phase II units will be negotiated at the end of preliminary engineering after receiving environmental approval (CE document) and the approved DES.

The Department may retain any of the services advertised here to be performed by in-house state forces. Instructions for Response to Announcement can be found at:

<http://transportation.ky.gov/professional-services/pages/respond-to-an-announcement.aspx>

VII. AVAILABLE STUDIES

[Data Needs Analysis \(DNA\) Item 5-474 Full Report for I-265/KY 3084 \(March 2013\)](#)

[KY 3084 DNA Scoping Study Final 5-474](#)

[KY 3084 DNA Scoping Study Appendix 5-474](#)

AASHTO: A Policy on Design Standards – Interstate System, 5th Edition (2005)

DRAFT

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https://bookstore.transportation.org/Item_details.aspx?id=1175

FHWA Policy on Access to the Interstate System (2009)

<http://www.fhwa.dot.gov/programadmin/fraccess.cfm>

VIII. METHOD OF DESIGN

The selected Consultant shall utilize the current CADD Standards for Highway Plans (version 8) policy in the development of the highway plans.

IX. ENVIRONMENTAL

The Department will provide all Environmental services required for the project. The Department will be responsible for conducting all appropriate environmental studies and preparing NEPA documentation commensurate with the scale of impacts identified.

X. PHOTOGRAMMETRIC SERVICES

The Department will provide mapping and LiDAR data. The Consultant shall supplement this information with conventional survey as needed.

XI. STRUCTURE DESIGN

The Selected Consultant shall do the necessary engineering services to determine the preliminary sizes for structures and shall submit to the KYTC an Advanced Situation Folder(s) for the appropriate applicable structure(s). The Structure Design will be performed by the selected consultant. Structure Design services may be added to the contract agreement by contract modification. Prequalification in the area of Structure Design is required to be identified in the Consultant's Response to Announcement.

XII. RIGHT-OF-WAY

The selected consultant shall identify property owners within the project limits. Property owner information shall be shown on the plans along with existing right-of-way and property lines. Right-of-way summary sheets shall be provided with the Preliminary Line and Grade submittal showing areas of taking for each alignment alternative. The Department will be responsible for estimating Right-of-way costs based on plans provided by the consultant.

XIII. GEOTECHNICAL SERVICES

The Selected Consultant may provide all Geotechnical Services required for the project. Geotechnical services may be negotiated and included in the original contract agreement or may be added by contract modification at the appropriate time. At any time, if the Department has the capacity to provide these services, the Department may retain the advertised geotechnical services.

XIV. UTILITY DESIGN

The Department will send project location maps to all potential Jefferson County utility contacts to determine whether they may have existing utilities within these project limits. The Department will develop the utility contact list. Facility atlas maps received for this project will be provided to the selected consultant. All utilities including aerial carriers shall be field-verified by the consultant. Sizes and types of underground and aerial utilities shall be identified on the plans for each alignment alternative in the PL&G submittal. Plans shall be provided by the consultant in both .pdf and .dgn formats. These will be distributed by the Department to utility representatives for review and comment. The Department will be responsible for estimating Utility costs based on plans provided by the selected consultant.

The selected consultant will provide SUE (Subsurface Utility Engineering) work as needed to field-locate utilities. Horizontal and vertical location of existing utilities shown in the roadway plans shall be adjusted by the consultant as necessary to reflect actual SUE results.

XV. TRAFFIC

Existing and future “no build” traffic volumes based on traffic data collected has been compiled in the aforementioned Final DNA Report (see link above). If needed for phase II design, traffic volumes will be counted by the Department. The selected consultant may be asked to update the traffic forecast.

XVI. PREQUALIFICATION REQUIREMENTS

To respond to this project, the consultant project team must be prequalified in the following areas by the date of this advertisement.

ROADWAY DESIGN

- Rural Roadway Design
- Urban Roadway Design
- Surveying

STRUCTURE DESIGN

- Spans < 500 feet

GEOTECHNICAL SERVICES

- Drilling Services
- Engineering Services
- Laboratory Testing Services

TRANSPORTATION PLANNING/CORRIDOR PLANNING

- Highway Planning Services
- Traffic Forecasting
- Traffic Demand & Simulation Modeling

TRAFFIC ENGINEERING SERVICES

- Electrical Engineering Services

XVII. PROCUREMENT SCHEDULE

Dates other than Response Date are tentative and provided for information only.

RESPONSE DATE • April 10, 2013, 4:30 p.m. E.S.T. (Frankfort time)

FIRST SELECTION COMMITTEE • April 16, 2013

SECOND SELECTION COMMITTEE • May 1, 2013

PRE-DESIGN CONFERENCE • May 8, 2013

TENTATIVE DEADLINE FOR CONSULTANT FEE PROPOSAL • May 17, 2013

CONTRACT NEGOTIATIONS • May 31, 2013

NOTICE TO PROCEED • July 1, 2013

XVIII. PROJECT SCHEDULE

PL&G INSP MTG (PDT DECIDE PREFERRED ALT) • November, 2013

SUBMIT DES • January, 2014

JOINT INSPECTION • May, 2014

SUBMIT FINAL RIGHT-OF-WAY PLANS • August, 2014

FINAL PLANS & CONSTRUCTABILITY REVIEW • February, 2015

CHECK PRINT SUBMITTAL • May, 2015

FINAL PLANS AND SPECS • August, 2015

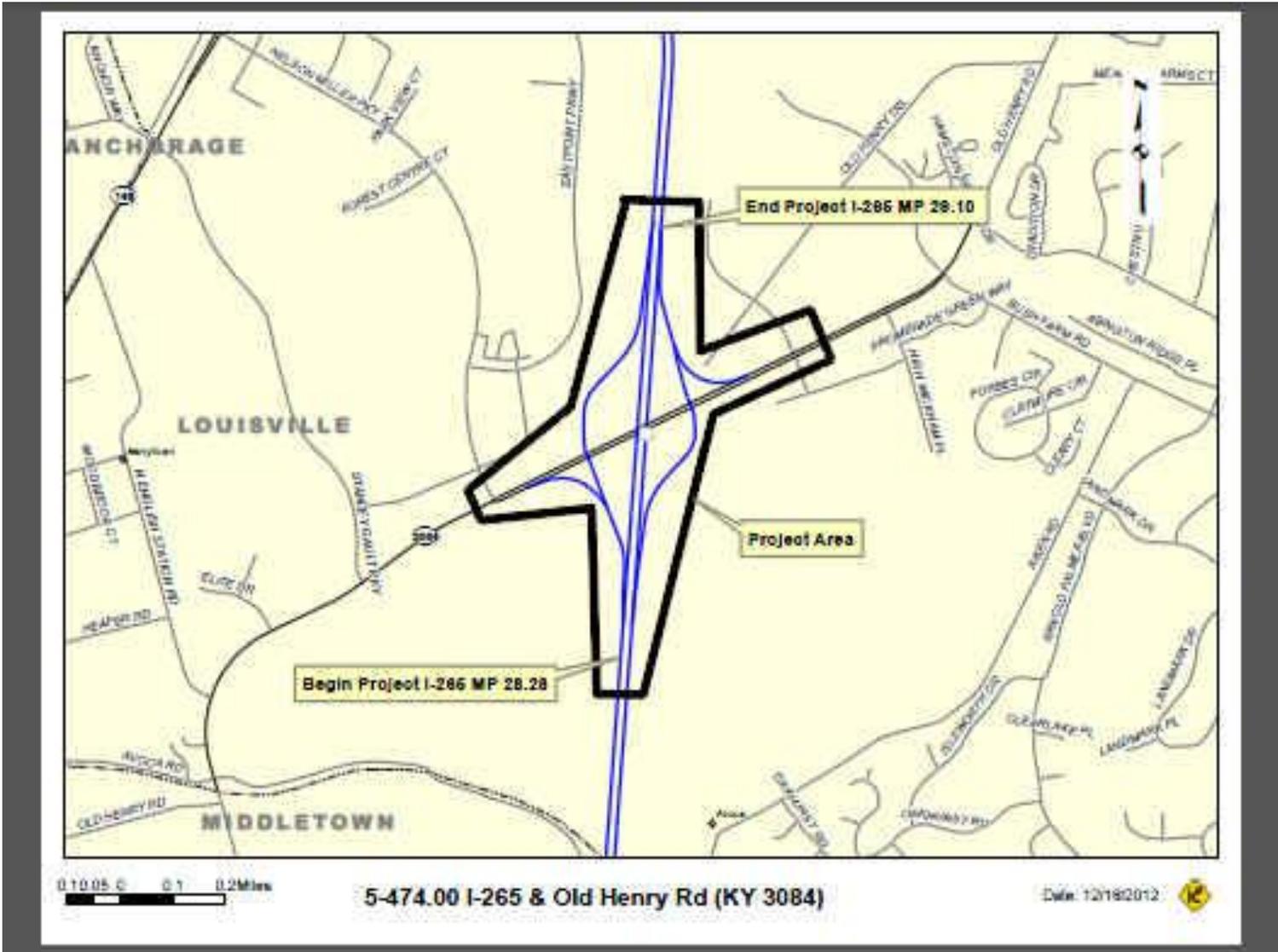
XIX. EVALUATION FACTORS

Consultants will be evaluated by the selection committee based on the following, weighted factors:

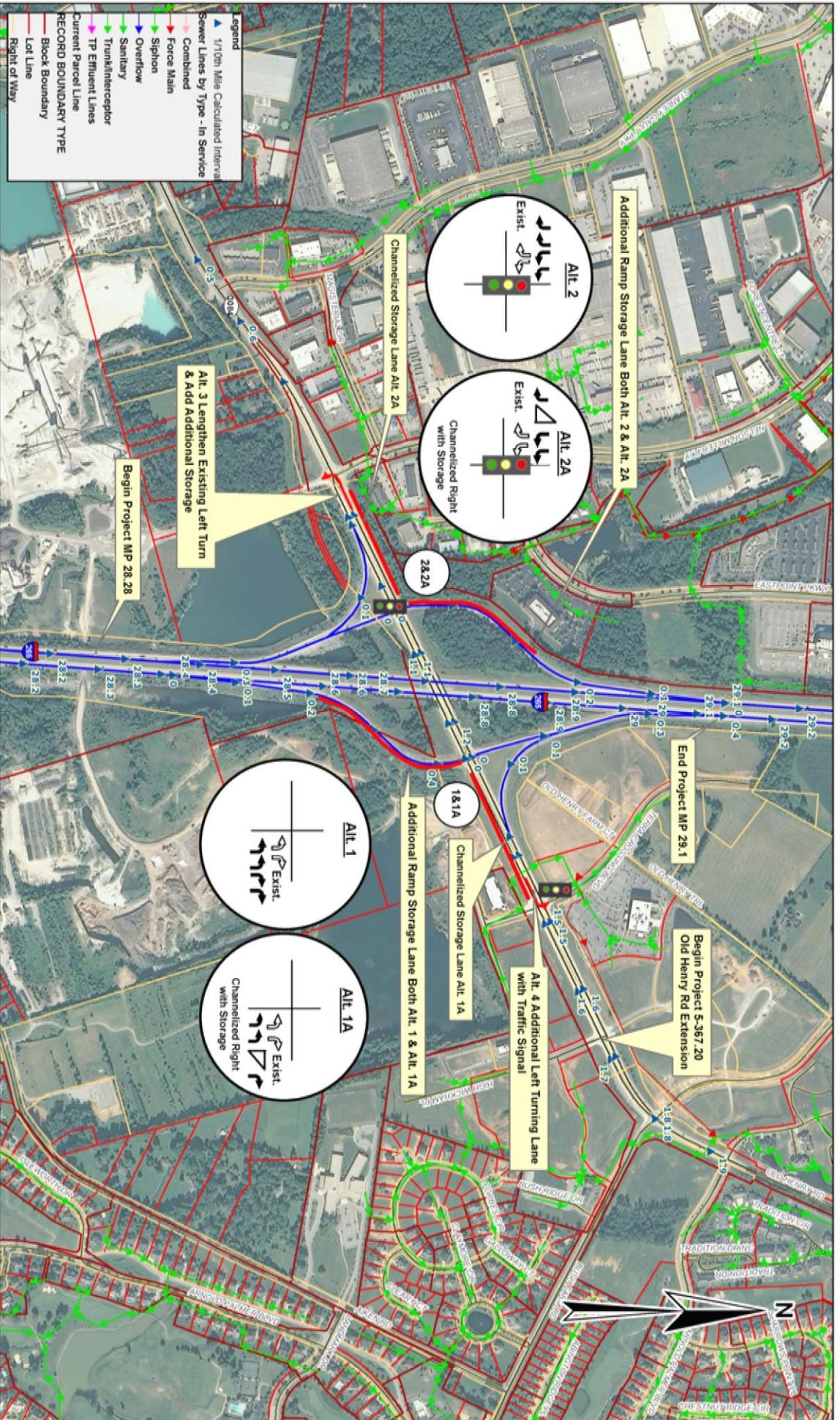
1. Relative experience of consultant personnel assigned to project team with highway projects for KYTC and/or federal, local or other state governmental agencies. (15 points)
2. Capacity to comply with project schedule. (15 points)
3. Past record of performance on project of similar type and complexity. (15 points)
4. Project approach and proposed procedures to accomplish the services for the project. (15 points)
5. DBE Participation Plan. (4 Points)
6. Consultant's offices where work is to be performed. (2 points)

XX. SELECTION COMMITTEE MEMBERS

1. Paul Davis, P.E., User Division
2. Wendy Southworth, P.E., User Division
3. Rachel Mills, P.E., Secretary's Pool
4. John Moore, P.E., Secretary's Pool
5. Brad Rister, P.E., Governor's Pool



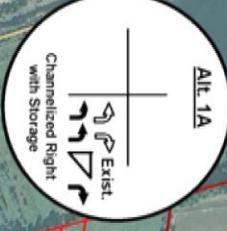
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Interchange Improvements
Jefferson County
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0 0.05 0.1 0.2 0.3
Miles

5-474.00 I-265/Old Henry Road (KY 3084) Project Scoping Map
Jefferson County

- Legend**
- ▲ 1/10th Mile Calculated Internal Sewer Lines by Type - In Service
 - Combined
 - Force Main
 - Siphon
 - Overflow
 - Sanitary
 - Trunk/Interceptor
 - Current Parcel Line
 - RECORD BOUNDARY TYPE
 - Block Boundary
 - Lot Line
 - Right of Way



Additional Ramp Storage Lane Both Alt. 2 & Alt. 2A

Channelized Storage Lane Alt. 2A

Alt. 3 Lengthen Existing Left Turn & Add Additional Storage

Begin Project MP 28.28

End Project MP 29.1

Begin Project 5-367.20 Old Henry Rd Extension

Additional Ramp Storage Lane Both Alt. 1 & Alt. 1A

Alt. 4 Additional Left Turning Lane with Traffic Signal

2&2A

1&1A

0.5

0.6

0.7

0.8

0.9

1.0

1.1

1.2

1.3

1.4

1.5

1.6

1.7

1.8

1.9

2.0

2.1

2.2

2.3

2.4

2.5

2.6